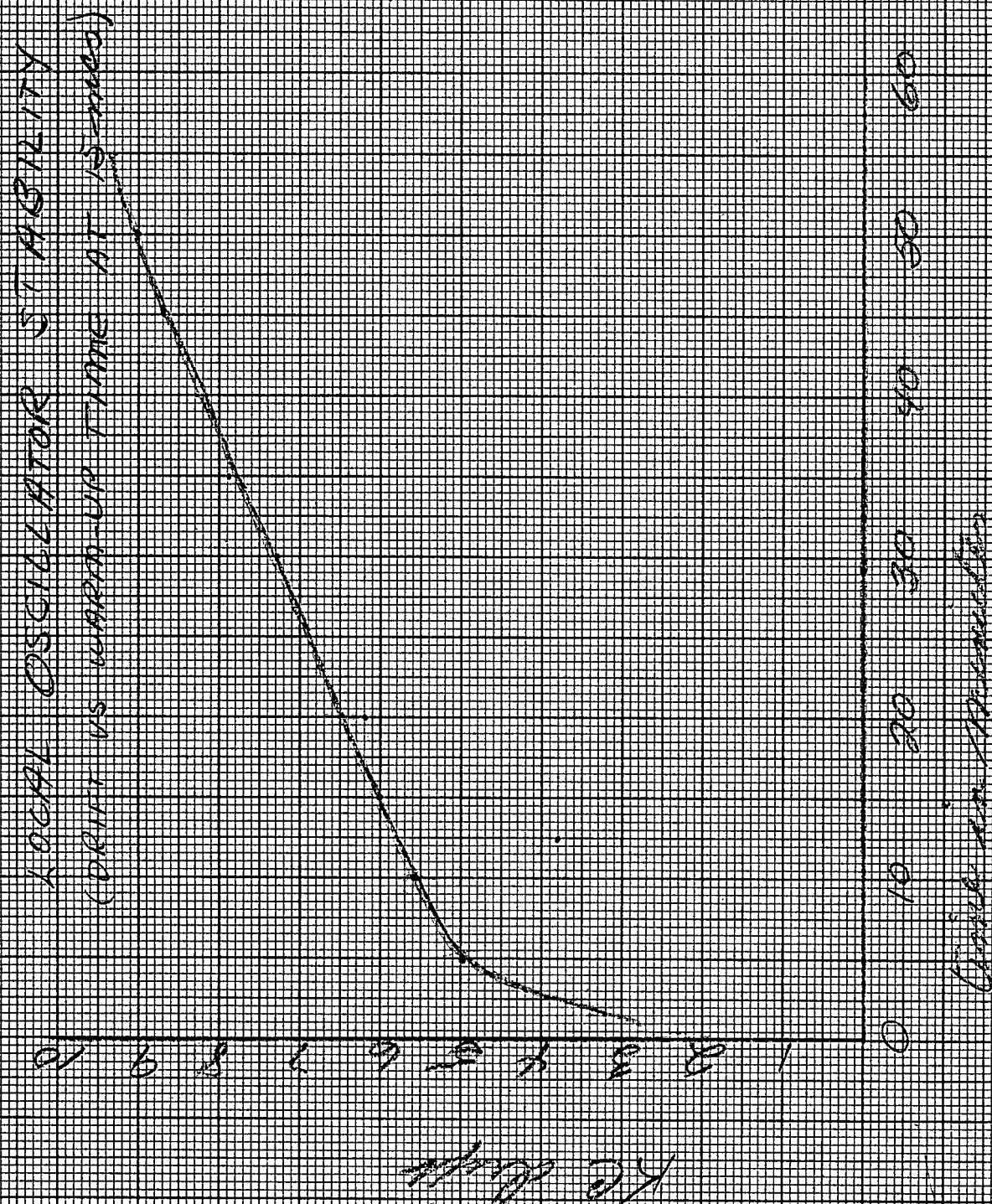
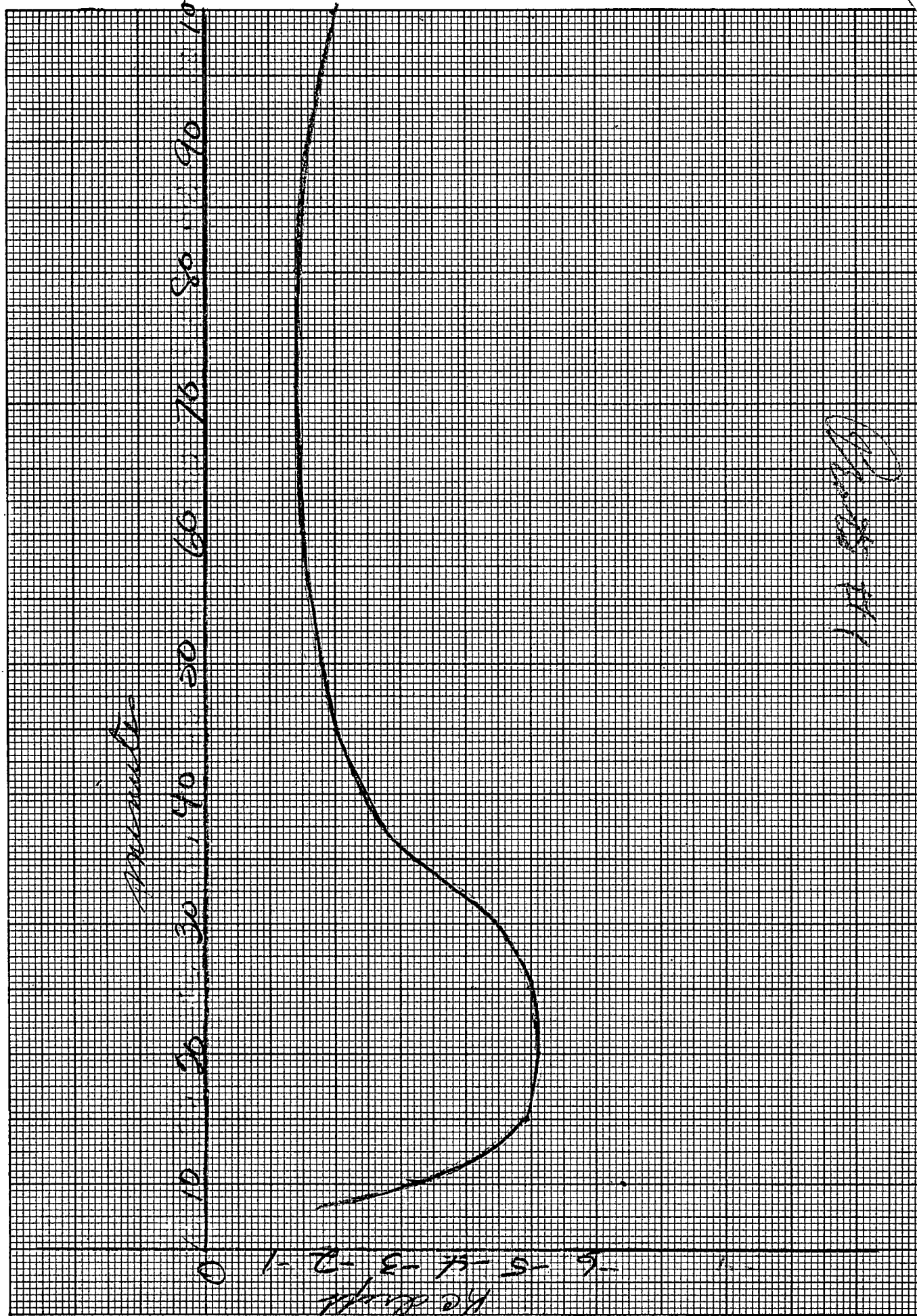


Discarded Data

389-11 KEUFFEL & ESSER CO.
10 X 10 to the 1/2 inch, 5th lines accented.
MADE IN U. S. A.



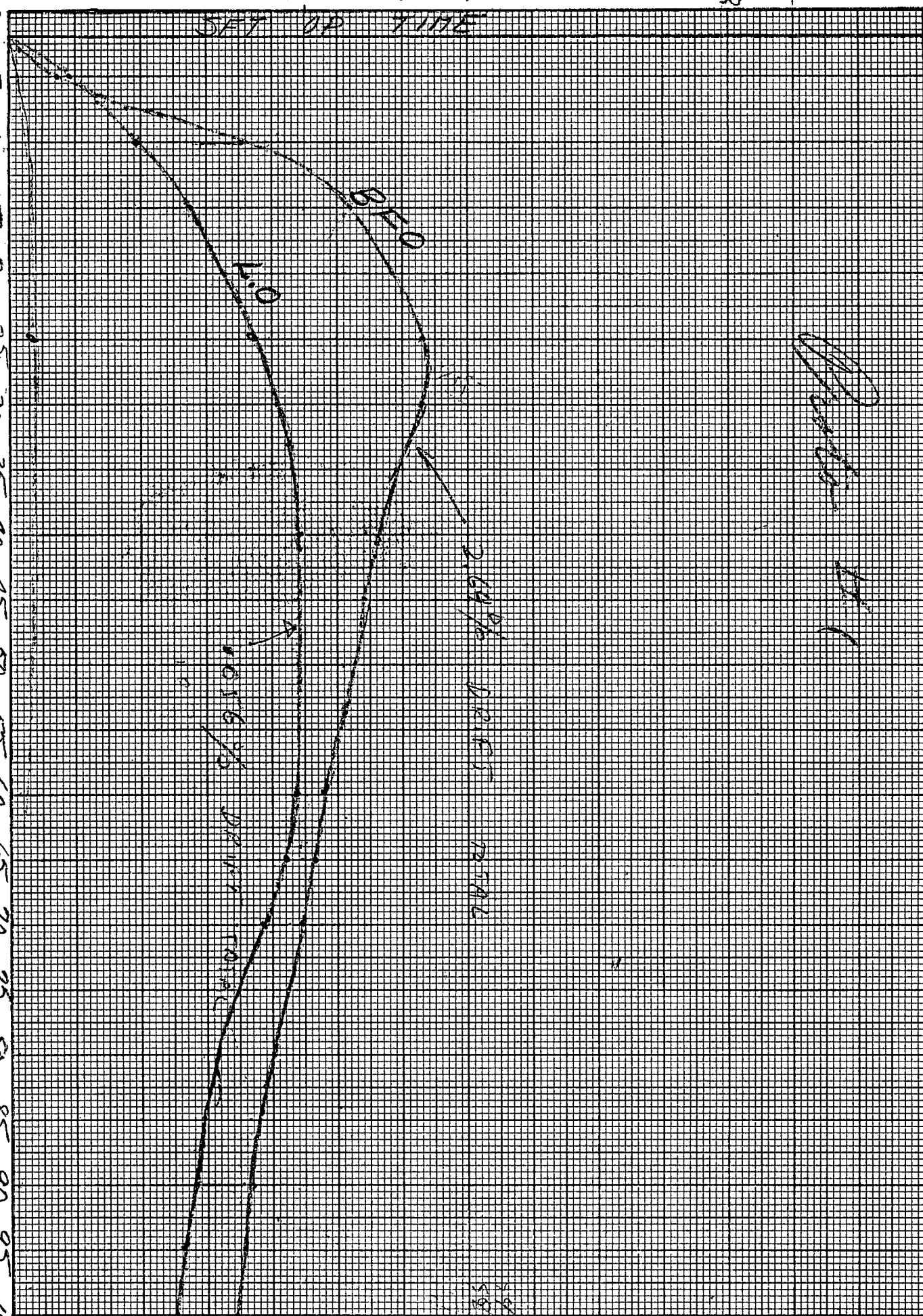
359-11 KEUFFEL & ESSER CO.
10 X 10 to the 1/2 inch, 5th lines accented.
MADE IN U. S. A.



SET UP TIME

Drain 11

TIME ELAPSED (MINUTES)



359-11 KEUFFEL & ESSER CO.
10 X 10 to the 1/2 inch, 5th lines accented.

Proto #5 modified ✓

f mc		Radiated field uV/m	Conducted noise uV
40 0.16	45	17,000	36,000
50 0.2	38	11,500	1,400
48 0.25	32	7,700	15,500
28 0.35	30	1,400	280
22 0.55	22	1,400	470
18 0.7	18	3100 900	470
14 1.0	14	click 3,100	14
12 2.0	10	7,000 800 noise	zero
6 4.0	4.5	noise	
3.3 7.0	2.3	noise	
2 10.0	2.0		
1 20.0	1.0		
0.16	#1	4,700	1700
0.2		4,900	1250
0.25		3,700	1200
0.35		4,600	120 ✓
0.7 ✓		16,000	12.5 4
1.0		3,500	12.5
2.0		730	zero
4.0			
7.0			
10.0			
20.0			

Prototype #5 (modified) ↓

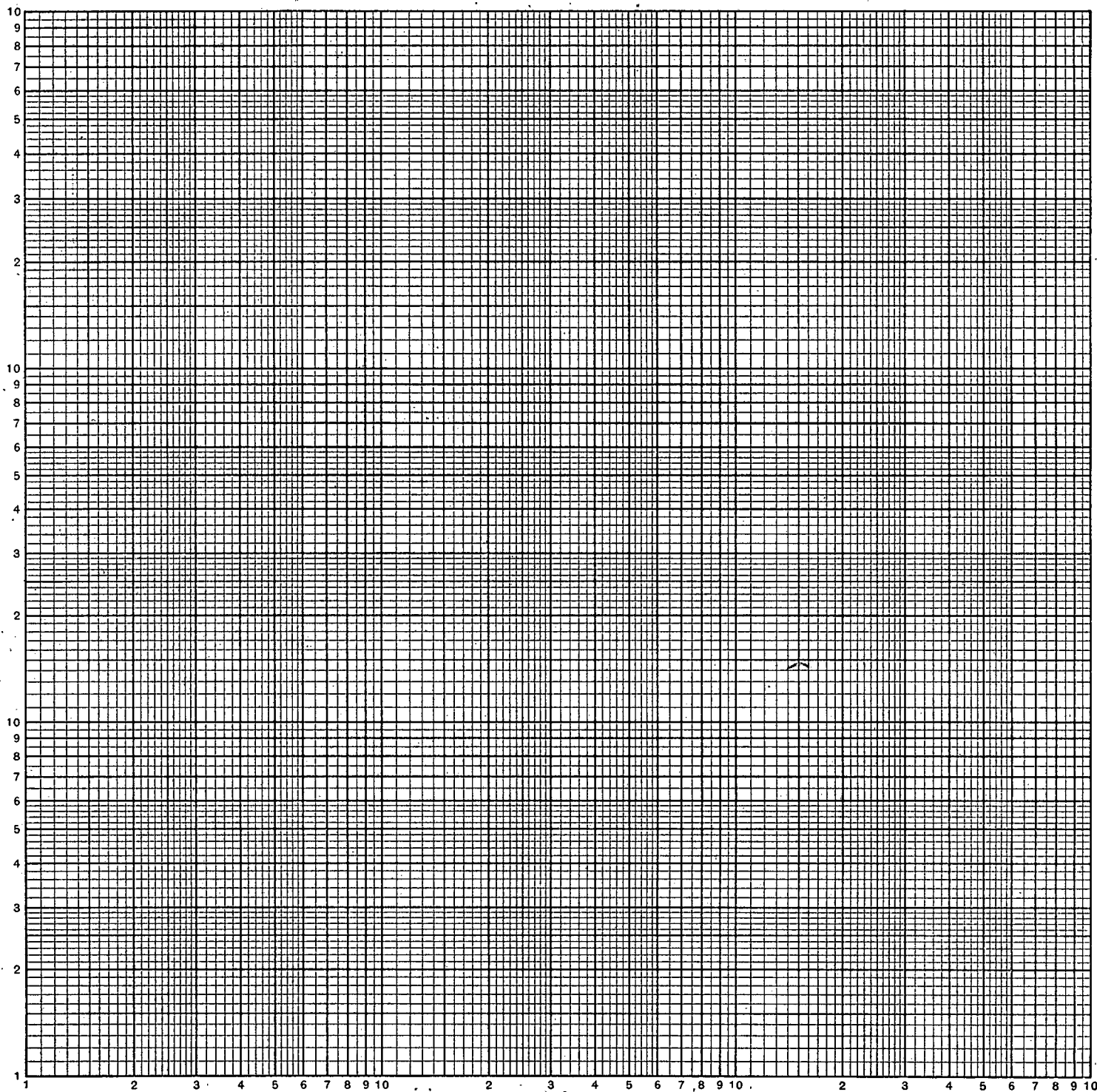
Prototype #1 ↓

In noise ↓

Prototype #5

Radiated Hack (In Screen Room)

f	$\mu\text{V}/\text{m}$ In screen room	$\mu\text{V}/\text{m}$ Out of screen room
0.16	16,000	17,000
0.2	8,500	11,500
0.25	3,900	7,700
0.35	1,000	1,400
0.70	Noise	900
1.0	Noise	3100
2.0	Noise	800
4.0	Noise	Noise
7.0		Noise
10.0		Noise
20.0		Noise



KEUFFEL & ESSER CO., N. Y. NO. 359-120
Logarithmic, 3 X 3 Cycles.
MADE IN U. S. A.

Time	Frequency		KC Shift	
	LO	BFO	LO	BFO
10 10 min	15387.0	912-	—	—
15 "	15386.5	911.9	-0.5	-0.05
20	15385.3	911.9	-0.7	-0.05
25	15384.9	911.9	-2.1	-0.05
30	15384.5	911.8	-2.5	-0.1
35	15383.8	911.8	-3.2	-0.1
40	15383.8	911.8	-3.2	-0.1
45	15383.7	911.8	-3.3	-0.1
50	15383.8	911.8	-3.2	-0.1
55	15383.8	911.8	-3.2	-0.1
60	15383.8	911.8	-3.2	-0.1
65 70 10	15438.1	912.0	—	—
75 15	15436.8	907.7 ^{4.3}	-1.3	-2.15
80 20	15435.9	907.6 ^{4.5}	-2.2	-2.25
85 25	15435.1	907.9 ^{4.1}	-3.0	-2.05
90 30	15434.5	908.0	-3.6	-2.0
95 35	15434.3	908.4 ^{3.6}	-3.8	-1.8
100 40	15434.0	908.9 ^{3.1}	-4.1	-1.6
45	15434.0	909.	-4.1	-1.5
50	15434.0	909.3 ^{2.1}	-4.1	-1.35
55	15434.0	909.7 ³	-4.1	-1.15
60	15434.0	909.9	-4.1	-1.05

2.1

time	freq.		diff (Kc)	
	LO	BFO	LO	BFO
3 min	15424.2	928.3	-0.8	-0.35
5 "	15423.2	926.0	-1.8	- 1.5 3.00
7 "	15422.3	921.9	-2.7	- 3.55 7.11
10 "	15421.1	914.8	-3.9	- 2.16 2.16
15 "	15419.5	908.2	-5.5	-10.4
20 "	15418.4	905.6	-6.6	-11.7
25 "	15417.5	904.9	-7.5	-12.6
30 "	15416.9	904.9	-8.1	-12.6
35 "	15416.4	905.3	-8.6	-11.9
40 "	15416.1	906.3	-8.9	-10.9
45 "	15416.2	907.1	-8.8	-10.9
50 "	15416.2	908.0	-8.8	-10.5
55	15416.2	908.9	-8.8	-10.05
60	15416.3	909.9	-8.7	-9.6
65	15417.4	911.2	-7.6	-8.9
75	15418.1	912.0	-6.9	-8.5
80	15418.7	912.9	-6.3	-8.05
85	15419.1	914.4	-5.9	-7.3
90	15419.3	914.2	-5.7	-7.4
95	15419.8	914.8	-5.2	-7.1
100	15420.0	915.2	-5.0	-6.9

Aulus Response

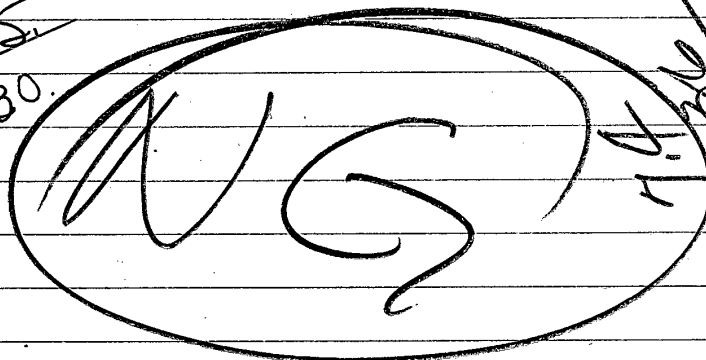
Proto #5

f	Power Output	Decibels
20	.02	11.76
40	.03	10.00
70	.05	7.78
100	.08	5.74
150	.14	3.31
200	.18	2.22
400	.3	0.00
700	.22	1.35
1,000	.11	4.36
1500	.04	8.74
2000	.03	10.0
4000	.02	11.76

$$\begin{array}{r} \times 0.4 \times 30. \\ \times 0.4 \times 30. \\ \times 0.4 \times 30. \end{array}$$

$$\begin{array}{r} 3. \\ \times 0.8 \times 30. \end{array}$$

$$\begin{array}{r} 10 \\ \times 0.3 \times 30. \\ 15 \\ \times 0.2 \times 30. \end{array}$$



$$10 \log \frac{P_1}{P_2}$$

3.12